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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Application of: **IMAMURA, et al.**

Serial No.: 09/121,017

Filed: July 22, 1998

For: **HEPARIN-BINDING PROTEINS MODIFIED WITH SUGAR CHAINS, METHOD OF PRODUCING THE SAME AND PHARMACEUTICAL COMPOSITIONS CONTAINING THE SAME**

Examiner: D. Saunders (Art Unit: 1644)

BOX AF

Assistant Commissioner for Patents
Washington, DC 20231

March 25, 2002

AMENDMENT UNDER 37 C.F.R. 1.116

Sir:

In response to the Office Action mailed June 18, 2001, and the Advisory Action mailed on November 15, 2001, please amend this application as follows:

IN THE CLAIMS:

Please cancel claim 22, without prejudice.

Please amend claims 1, 4, 5, 6, 14, 16, 18, 19 and 20 as follows:

1. (Twice Amended) A heparin-binding protein comprising at least one covalently bonded sugar chain, wherein the at least one sugar chain is being selected from the group consisting of a sulfated polysaccharide, a glycosaminoglycan, an O-linked sugar chain combined with a sulfated polysaccharide or a glycosaminoglycan, an N-linked sugar chain combined with a sulfated polysaccharide or a glycosaminoglycan and combinations thereof, wherein the residual activity of the heparin-binding protein is increased by adding the at least one covalently bonded sugar chain.